

Fleet/Warfighter Support and Long Range Planning



The Fleet/Warfighter Support office is a component of the Range Operations Division and serves as the primary interface between the Atlantic Test Ranges (ATR) and the fleet/warfighter for readiness training support and long-range planning of joint and large-scale exercises. ATR's primary mission is to provide the open-air test environment for the research, development, test and evaluation (RDT&E) of NAVAIR naval aviation acquisition programs; however these unique open-air range and ground test facilities located in and around the Patuxent River Complex also have tremendous application for fleet/warfighter pre-deployment systems grooming and readiness training exercises. Fixed and transportable range instrumentation, emitter simulators, and realistic target cues allows the support to be provided locally or at remote sites and may include the full spectrum of live, virtual and constructive (LVC) participation.

Readiness training is regularly supported across the various phases (basic, intermediate and advanced) of training involving units from the squadron level, through the Carrier and Expeditionary Strike Groups (CSG/ESG) and large-scale Joint/Coalition Task Force Exercises. These events/exercises are conducted locally as well as at remote locations and ranges. Typical of the types of readiness training events supported include:

- USN – JTFEX, USAF – Red Flag, USA – Roving Sands
- Navy Fleet – Composite Training Unit Exercise (COMPTUEX)
- USN/USAF – Aerial Mining Exercises (MINEX)
- Fleet Air and Surface Combatant Live and Track-Ex Missile Exercises
- Aerial Target Presentations
- Aerial Strike Warfare Training Exercises
- Surface Combatant Gun Fire Exercises
- Electronic Combat Exercises

The Fleet/Warfighter Support office also provides NAVAIR representation for the Joint Atlantic & Chesapeake Ranges Cooperative (JACRC). The JACRC is an alliance of DoD test and training ranges and facilities in Maryland, Virginia and Rhode Island. Through a Memorandum of Agreement, JACRC members agree to collaborate in supporting the Research, Development, Test and Evaluation (RDT&E) and Interoperability requirements of DoD acquisition managers; to support and cooperate in all phases of Warfighter Readiness Training and Joint Forces Warfare Experimentation.

for more information

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Fleet mining exercise



P-3 mining exercise



B-52 training exercise



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The Atlantic Targets and Marine Operations (ATMO) Division supports ATR by providing air, land and sea-based targets and maritime support vessels, which provide a wide range of support services such as range clearance of hazard areas for safe operations, diving support, and target delivery/tow services.

Typical of the services that are readily available for warfighter training from ATR and ATMO include:

- Participant range instrumentation for Time, Space Position Information (TSPI) and sensor point-of-interest data for live monitoring and post-mission reconstruct and debrief/analysis
- After-action debriefing systems:
 - Personal Computer Debriefing System (PCDS)
 - Range Computation and Control System (RCCS III)
- Target Presentations (fixed and mobile):
 - Opposition Forces and Blue Forces
 - Land
 - Air
 - Seaborne
- Fleet Mobile Sea Range support:
 - Hunter and Hugo vessels
- Realistic Electronic Warfare (EW) signal environment used to simulate/stimulate sensors for EW defensive countermeasures and intelligence, surveillance and reconnaissance (ISR) through:
 - SIGINT (SIGnals INTelligence)
 - COMINT (COMmunications INTelligence)
 - ELINT (ELectronic INTelligence)

ATR and ATMO also work closely with the U.S. Joint Forces Command through the Joint Warfighting Center (J-7) and Joint National Training Capability (JNTC) to insert new technologies to provide improved training capabilities and scenarios for the warfighter. New capabilities include integrated targets for Opposition Force simulations and integrated threat emitters on targets themselves.

SA-6 TEL threat-realistic target



2.5-D target



SCUD inflatable target



OPFOR and BLUFOR targets

